

| Ref # | Hits    | Search Query                                   | DBs                            | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|--------------------------------|------------------|---------|------------------|
| L1    | 76      | (burke-peter-a lu-hongqiang sun-sey-shing).in. | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:35 |
| L2    | 3       | 1 and damascene.clm.                           | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:36 |
| L3    | 0       | 1 and "diffusion barrier".clm.                 | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:36 |
| L4    | 4498    | (438/625,627,637,642,643,687).<br>CCLS.        | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:36 |
| L5    | 4225    | 4 and: @ad<"20030814"                          | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 09:11 |
| L6    | 66510   | SiC "silicon carbide"                          | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:36 |
| L7    | 146280  | SiN "silicon nitride"                          | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:36 |
| L8    | 35176   | BN "boron nitride"                             | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:37 |
| L9    | 6963    | "amorphous carbon"                             | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:37 |
| L10   | 23746   | AlN "aluminum nitride"                         | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:37 |
| L11   | 941     | SiOC "silicon carboxide"                       | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:37 |
| L12   | 21776   | diffusion with barrier                         | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:37 |
| L13   | 3337    | 12 same (6 7 8 9 10 11)                        | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:41 |
| L14   | 1565331 | damascene via                                  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:38 |
| L15   | 443768  | cu copper                                      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | OFF     | 2005/03/09 08:38 |

|     |        |                                    |                                |    |     |                  |
|-----|--------|------------------------------------|--------------------------------|----|-----|------------------|
| L16 | 181111 | 14 and 15                          | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:38 |
| L17 | 1691   | 16 and 13                          | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:41 |
| L18 | 99377  | cvd pecvd mocvd ald                | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:38 |
| L19 | 24886  | imp sip pvd ipvd                   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:38 |
| L20 | 111336 | 18 19                              | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:39 |
| L21 | 1416   | 17 and 20                          | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:41 |
| L22 | 1223   | 21 and @ad<"20030814"              | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:41 |
| L23 | 1980   | 12 with (6 7 8 9 10 11)            | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:41 |
| L24 | 1031   | 16 and 23                          | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:41 |
| L25 | 874    | 24 and 20                          | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:41 |
| L26 | 752    | 25 and @ad<"20030814"              | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:42 |
| L27 | 749    | 26 not lsi.as.                     | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:43 |
| L28 | 3      | 26 not 27                          | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:42 |
| L29 | 673    | 27 and ("438"/\$3 "257"/\$3).ccls. | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | OFF | 2005/03/09 08:46 |
| L30 | 303    | 29 and seed                        | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON  | 2005/03/09 08:46 |

(FILE 'HOME' ENTERED AT 09:28:31 ON 09 MAR 2005)

FILE 'INSPEC, CAPLUS' ENTERED AT 09:28:35 ON 09 MAR 2005

|    |                                 |
|----|---------------------------------|
| L1 | 5022 S DAMASCENE                |
| L2 | 1295444 S CU OR COPPER          |
| L3 | 3167 S L1 AND L2                |
| L4 | 143655 S SIC OR SILICON CARBIDE |
| L5 | 40008 S BN OR BORON NITRIDE     |
| L6 | 617 S SIOC OR SILICON CARBOXYDE |
| L7 | 335 S L3 AND (L4 OR L5 OR L6)   |
| L8 | 62 S L7 AND CVD                 |
| L9 | 27 S L8 AND DIFFUSION           |